

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-337145

(43)Date of publication of application : 21.12.1993

(51)Int.Cl.

A61F 2/60
A61F 2/74

(21)Application number : 04-149316

(71)Applicant : HYOGO PREF GOV SHAKAI
FUKUSHI JIGYODAN
KOBE STEEL LTD

(22)Date of filing : 09.06.1992

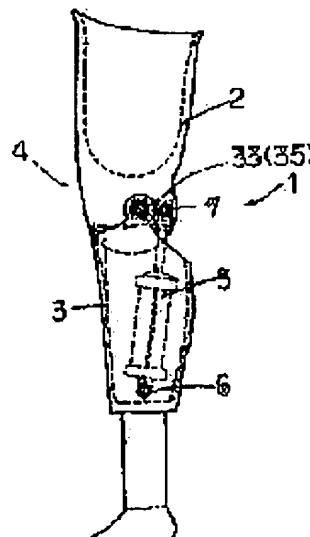
(72)Inventor : SAWAMURA MASASHI
NAKAJIMA SAKUYA
AMEMORI KUNIO
OKU HIDEHISA
NAKAGAWA AKIO
KITAYAMA ICHIRO
YUKI MIKIO
HORIGUCHI SHIRO
ARAKI YOSHIHISA
YUKI SHIGERU
HAMADA TOSHIHIRO

(54) LEG PLAY PHASE CONTROLLED ARTIFICIAL LEG

(57)Abstract:

PURPOSE: To provide a leg play phase controlled artificial leg which has a function of enabling walking and running varying the speed thereof properly concerning an artificial leg.

CONSTITUTION: A thigh frame 2 and a lower thigh frame 3 are pivoted on a knee part 4 bendable relatively. Air cylinder 5 is interposed between the thigh frame 2 and the lower thigh frame 3. Moreover, a rotary damper 33 is arranged at a pivoted part between the thigh frame 2 and the lower thigh frame 3 and aids the air cylinder 5 to lower the degree of buffering of the air cylinder in



running. Then, dynamic resistance of an air flow of the air cylinder 5 and the working condition of the rotary damper 33 are controlled properly according to a working speed of an artificial leg thereby achieving any operation from walking slowly to running under an automatic adjustment.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]